



User's Manual

Human DEFA1(Defensin Alpha 1, Neutrophil) ELISA Kit



DEIA-NS2307-114



96T



This product is for research use only and is not intended for diagnostic use.

For illustrative purposes only. To perform the assay the instructions for use provided with the kit have to be used.

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PRODUCT INFORMATION

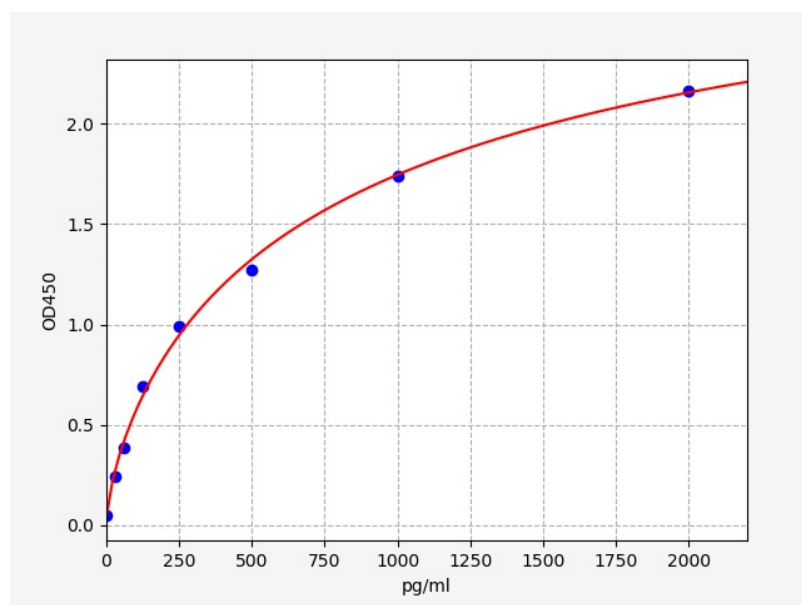
Intended Use

DEFA1 ELISA Kit allows for the in vitro quantitative determination of DEFA1 concentrations in serum, plasma, tissue homogenates and other biological fluids.

Storage

2-8 °C for 6 months

Typical Standard Curve



Precision

Intra-Assay: CV<8%

Inter-Assay: CV<10%

Detection Range

31.25-2000pg/ml

Sensitivity

< 18.75pg/ml

Linearity

The linearity of the kit was assayed by testing samples spiked with appropriate concentration of DEFA1 and their serial dilutions. The results were demonstrated by the percentage of calculated concentration to the expected.

Sample	1:2	1:4	1:8
serum(n=5)	91-103%	85-97%	89-104%
EDTA plasma(n=5)	84-97%	85-100%	82-99%
heparin plasma(n=5)	83-98%	83-96%	83-87%

Recovery

Matrices listed below were spiked with certain level of DEFA1 and the recovery rates were calculated by comparing the measured value to the expected amount of DEFA1 in samples.

Matrix	Recovery range(%)	Average(%)
serum(n=5)	89-104	95
EDTA plasma(n=5)	91-103	96
heparin plasma(n=5)	90-102	96